SEQUENCE LISTING

<110> THE GOVERNMENT OF THE UNITED STATES OF AMERICA, as
      Collins, Peter L.
      Bukreyev, Alexander
      Murphy, Brian R.
      Whitehead, Stephen S.

<120> PRODUCTION OF RECOMBINANT RESPIRATORY SYNCYTIAL VIRUSES
      EXPRESSING IMMUNE MODULATORY MOLECULES

<130> 15280-388000PC

<140>
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<150> 60/143,425
<151> 1999-07-13

<160> 10

<170> PatentIn Ver. 2.1

<210> 1
<211> 41
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Gene start
      attachment oligonucleotide for MIFNy

<400> 1
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<210> 2
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<212> DNA
<213> Artificial Sequence

<220>
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      attachment oligonucleotide for MIFNy

<400> 2
attacccggg aatttttaat aacttcagca gcgactcctt ttcc   44

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<212> DNA
<213> Artificial Sequence

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<223> Description of Artificial Sequence: PCR primer for
      IL-2 with gene start sequence

<400> 3
tatacccggg atggggcaaa tatgtacagc atgcagctcg c   41

<210> 4
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<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: PCR primer for
      IL-2 with gene end sequence

<400> 4
attacccggg aatttttaat aactttattg agggcttgtt gaga   44

<210> 5
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Sequence
      flanking IFNy insert with gene start

<400> 5
cccgggatgg ggaaataatg   20

<210> 6
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<223> Description of Artificial Sequence: Sequence
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<400> 6
tgaagttatt aaaaattccc ggg   23

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<223> Description of Artificial Sequence:Detail of XmaI
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<400> 7
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<400> 8
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<210> 9
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<213> Artificial Sequence

<220>
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      flanking GMLSF insert with gene end

<400> 9
cccgggatgg ggcaaatatg   20

<210> 10
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<212> DNA

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<220>
<223> Description of Artificial Sequence: Detail of XmaI
       linked sequences

<400> 10
taaagttatt aaaaattccc ggg   23